UEXKÜLL&STOLBERG

<u>0</u>4 s. 5.03

+4Y+45**3**71**887**24

· Please return sign recorded to Farkas & Manda, LLC 2000 M. Street, N.W., 7th Floor Washington, D.C., 20036

USA Pat int Aug..... Sole or Joint

For investigation in the control of the control of

Walter OFF	42661	50203
	Ala	(Mar Let

YONEROVISIONAL

OFN

ASSIGNMENT NONPROVISIONAL APPLICATION	NONPROVISIONAL
THE LICATION	

SERT'	(1) Hans-Dieter Flad	(4) in	Dalgas (	
S) OF TORIS	(2) Johannes Gerdes	(5)	na Delnert (marned;	Unicken .
104(2)	(3) Andreas Böhle		ox if continued on page 2	
ciat and	sufficiency of which are in each color		OAN CONTINUES ON page 2	<u>'</u>
(s) and	d sufficiency of which are nereby ocknow transfer(s) unto:	uedgag by ina hugersign	ed who et the request of, he	reby sell(s),
_	FORSHUNGSZENTRUM BORSTE	ZENTOUU CÜB MEN	(SIM albito services	
(S) (2F	Parkalle I-40	LEW HOM FOR MED	IZIN UND BIOWISSENSH	AFTEN
S) ()F VEE(S) RESS(ES)	D-23846			
	Borstel, Germany			
after ce	Signated "ASSIGNEE") the entire right if	tio and internet factles . I	alle a Charles	
100, in t	signated "ASSIGNEE") the entire right to he invention and all applications includin resulting patents, known as	g any and all divisions, c	nited States of Anjerca as of Onlinuations, substitutes, and	lefined in 35
OF TION	ANITISENSE OLIGONUCLEOTIDES	FOR TREATING PRO	LIFERATING CELLS	
	facution the transition of			
	for which the undersigned executed a	: application for Letters F	Balant of the United States of	f America:
re	(A) even date herewith			
FU-FOL C)	(B) x on November 21, 2000			
	(C) in U.S. Appin. No. /	filed		
	<u></u>			<del></del>
demarks	AND the undersigned hereby authorizes to issue said Letters Patent to the said sendatives: the undersigned agree(s) the SIGNEE;	(\$) and request(s) the U	Inited States Commissioner	of Patonts
gis (Epre	seniatives: the undarsigned agree(s) the	at the attorney of record i	n said application shall here	isars, assigns inationaction
	AND the undersigned hereby agree(s) all representatives, deemed assential by	to testify and execute an	ly daders for ASSIGNEE, its	SUCCOSSOPS.
	uculaicileu.			
Jerufica!	The undersigned hereby authorize(s) F recordation necessary or desirable for recordation	ierkas & Manelii, PLLC. ( on of this document	of the above address to inse	it hereon any
	INVENTOR(S)	DATE SIGNED	WITNESSES	2002 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		······································
Hans-D	leter flag			
4.1.				
Johann	es Gerdes			San a company of the party
Andres	- 79 OL I			
Andres	2 DOLIG			· · · · · · ·
		<del>(1)</del>	11	
lein a D-				
Irina De	ingn (magned Etichen - Deine	•9	1. Laurete Se	

ASSIGNMENT (Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

UEXKÜLL&STOLBERG

IJ٥ ·~>\*4>>/148//54 5.02

Please return sig recorded to:

Farkes & Manelli, PL1,C 2000 M Street, N.W., 7th Floor Washington, D.C. 20036

USA Patent Appln. Sole or Joint

for Inventions made outside USA executed with anatter application

Ally, Dkz 50303 Chent Ref.

MONPROVISIONAL

## **ASSIGNMENT**

NONPROVISIONAL

	<u>OF NONPR</u>	OVISIONAL APP	LICATION
each of the ur	In consideration of the sum of Indersigned, to wit:	en Dollars (\$10.00) and ou	her good and valuable consideration paid to
	(1) Hans-Dieter Flad		•
insekt Name(S) of Nventor(S)	(2) Johannes Gerdes		Irina Deinert
inventoris)	(3) Andreas Böhle	(5)	
lho social ac			x box if continued on page 2
assign(s) and			gned who at the request of, hereby sell(s).
NSERT	FORSHUNGSZENTRUM BOR	STEL ZENTRUM FÜR ME	DIZIN UND BIOWISSENSHAFTEN
Name(s) ()F Assignee(s) & Address(es)	Parkalle I-40		UNITED SIGNATURE
& ADDRESS(ES)			
	Borstel, Germany		
(hereinafter de	signated "ASSIGNEE") the entire rid	ant title and interest for the	
thereof; and all	ne invention and all applications inci resulting patents, known as	uding any and all divisions.	United States of America as defined in 35 continuations, substitutes, and reissues
TITLE OF			
INVENTION	ANITISENSE OLIGONUCLEOTI	DES FOR TREATING PR	OLIFERATING CELLS
	for which the undersigned execut	adaga and and a day	
NOTE		ed an application for Letter:	s Patent of the United States of America:
Cemplese	(A) even date herewith		H. Carlotte
line A. Bandor (7)	(B) x on November 21, 200	00	
	(C) in U.S. Appln. No.	/ filed	
and Trademarks	AND the undersigned hereby auth to issue said Letters Patent in the s	orize(s) and request(s) the	United States Commissioner of Patents rest as ASSIGNEE, its successors, assigns
and legals repres	sentatives: the undersigned agree(s	i) that the attorney of record	rest as ASSIGNEE its successors, assigns in said application shall hereinafter act on
	AND the undersigned hereby agre	e(s) to testify and execute a	any papers for ASSIGNEE, its successors. NEE'S full protection and title in and to the
rvention hereby	il representatives, doemed esseñtia transferred.	I by Assignee 10 Assign	NEE'S full protection and title in and to the
OTE	The undersigned hereby authorize ion necessary or desirable for record	4-1	, of the above address to insert hereon any
	,	adion of this document.	. 0
	(NVENTOR(S)	DATE SIGNED	WITHESSES
	god tak	20/02/01	1. July (). Gerdes
lame: Hans Di	eter Flad	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1100000
) — [-]	~ / /	20102101	
lame: Jojana	s Gerdes	0.1	
)	- Ildhe	20/01/01	U. Clo, L. Al Duren
lame: Andreas	Böhle		
)			
lame: Iri <del>n</del> a Deii	nert		
)			··
ame:			
ADDITIONAL II	NVENTORS, check box and	continue on page 2,	

ASSIGNMENT (Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

DECLARATION /

## +49+4537198724 S. OWER OF ATTORNEY FOR UTILITY OR DESIGN ATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

[ ] Declaration Submitted with Initial Filing or [X ] Declaration Submitted after Initial Filing (surcharge 37 CFR 1.16 (c) required)

As a below named inventor, I hereby declare that my residence, post office address and cirizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED "ANTISENSE OLIGONUCLEOTIDES FOR TREATING PROLIFERATING CELLS", the specification of which was filled on November 21, 2000 as Attorney Docket No. 661-50203, which is a U.S. National Phase application of PCT International Application No. PCT/EP99/03451.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentiability as defined in 37 C.F.R. 1.56 including for continuation-in-part application, material information which becomes available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a) -(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international Application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

RIOR FOREIGN APPLICATION(S)			Priority Claimed	Certified Copy Attached!
Number	Country	Forcign Filing Date (MM/DD/YYYY)		
PCT/EP99/03451		May 20, 1999	Yes	Xes <u>No</u>
198 22 954,2	D₽	May 22, 1998	Yes	· 0

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the registered practitioners represented by Customer No.: 20736 to prosecute this application and transact all business in the U.S. Patent and Trademark Office in connection therewith. Directal correspondence to Farkas & Mantelli, PLLC at Customer No.: 20736.

ı.	INVENTOR'S SIGNATURE:	1) their	Dare 20/02/0	1	
	Inventor's Name (typed) Hans-Dieter		Flad	Germany	
	First A	Middle Initial	Family Name	Country of Citizenship	
	Residence (City) Barstel	(State)	Germany		
	Post Office Address (Include Zip Code) Parkal	let 1. D-23845, Borstel C	16ttmin V		
2.	INVENTOR'S SIGNATURE	4	Date 20(0216	1	
	Inventor's Name (typed) Johannes	,	Gerdes	Qеллапу	
	First	Middle Initial	Family Name	Country of Citizenship	
	Residence (City) Feldhorst	DE / (State)	Germany	::	
			•		
	Post Office Addr:ss (Include Zip Code) Steinfe	ld 797 D-71858. Feldbarer	, Germony		
	2 0/	1124			
_	3	1170	2-1-1-		
<u>.</u> د	INVENTOR'S SIGNATURE:			~7	
	Inventor's Name (typed) Andreas		- Bähle-	<u>Gerroanx</u>	
	First	Middle Initial	Family Name	Country of Citizenship	
	Residence (City) Graff Gransu	(Stare)	Germany		
		/ •			
	Post Office Address (Include Zip Code) Fasance	nring 2, D-23621, Graß G	ronau. Oermany		
	B.H.G. manual and the second		_		
♣.	INVENTOR'S SIGNATURE:		Datc		
	Inventor's Name (typed) Irina	harada a sala	Deinert	Germany	
	First	Middle Initial	Family Name	Country of Cirizenship	
	Residence (City) Lübeck	(State)	Gemany		
	Post Office Address (Include Zip Code) Ottemweg 12, D-23560, Lübeck, Germany				

T47T47J71887Z4

5.05 AL WALCHOVICA IN THE

Declaration Submitted with Initial Filing or (X | Declaration Submitted after Initial Filing (surcharge 27 CFR 1.16 (c) required)

UNITED STATES PATENT AND TRADEMARK OF.

As a below named inventor. I hereby declare that my residence, post office address and citizenship are as stated below next to my name and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plura) names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITIED. "ANTISENSE OF IGONUCLEOTIDES FOR TREATING PROLIFERATING CELLS", the specification of which was filed on November 21, 2000 as Attorney Docket No. 661-50303, which is a U.S. National Phase application of PCT International Application No. PCT/EP99/03451,

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as arranded by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 including for continuation-in-part application, material information which becomes available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

i hereby claim foreign priority benefits under 35 U.S.C. 119(a) -(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international Application which designated at least one country other than the United States of America. tisted below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application baving a filing date before that of the application on which priority is claimed.

RIOR FOREIGN APPLICATION(S)			Priority Claimed	Certified Copy Attached
Number	Country	Foreign Filing Date (MM/DD/YYYY)	• •	Yes No
PCT/E299/03451		May 20, 1999	Yes	<del>-</del> , -
198 22 954.3	DE	May 22, 1998	Yes	* -

I beceby declare that all statements made herein of my own knowledge are mis and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may propardize the validity of the application of any patent issued thereon.

I bereby appoint the registered practitioners represented by Gustomer No.: 20736 to prosecute this application and transact all business in the U.S. Palent and Trademark Office in compection therewith. Direct all correspondence to Parkies & Mancelli, PLLC at Customer No.: 20736.

1. IMMENTOR'S SIGNATURE:		_D41c	
Inventor's Name (typed) Harls-Dieter		Flad	Jamany.
First	Middle Initial	Family Name	Country of Citizenship
Residence (City) Bosstel	(State) George	140.	
Post Office Address (Include Zip Code) Part	callee . D-23845, Boistel, German	v	
I. INVENTOR'S SIGNATURE:		Date	
Inventor's Namo (typec) Johannes		Gerdes	Germany
First	Middle Initial	Family Name	Country of Citizenship
Residence (City) Feldhorst	(State) Gen	19DY	
Post Office Address (Include Zip Code) Ster	nield 79. D-23858, Felchorst, Gent	=n>	
		0	<u>:</u> .
). INVENTOR'S SIGNATURE:		_Dsic	Sermany
(nventor's Nume (typed) Andreas		Boble	Country of Citizenship
First	Middle Inicial	Family Name	( duly of Childham)
Residence (City) Groff Gronzu	(Ştare) Ger	TRULY	
Post Office Address (Include Zip Code) Fas	Ancoring 2 D-21627 Gross Gronau.	Germany	
1/ 6			
4. INVENTOR'S SIGNATURE:	1 A	Dase 20.02, 200	01
inventor's Name (typed) Irina	Enry	190-Deinert	Cermany
First	whole initial	Family Name	Country of Citizenship
Residence (July) Librar Sysinthia	ra (Sme) Cem	3nv	
Para Office Address (Include Zip Code) - Office	Homes 17, 0-21960 Libecky Good	N <del>2//</del> /\ /	2 X:
~	botstrassc 43, 9-2296	4 Serrows 1)	_/